

Fig 00: A fractal approach to industry sector analysis

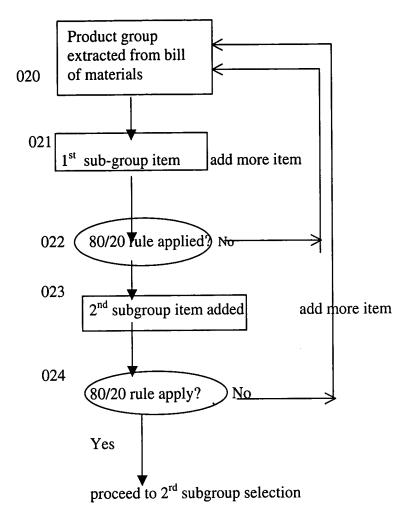


Fig. 02- Application of Pareto's Distribution Law

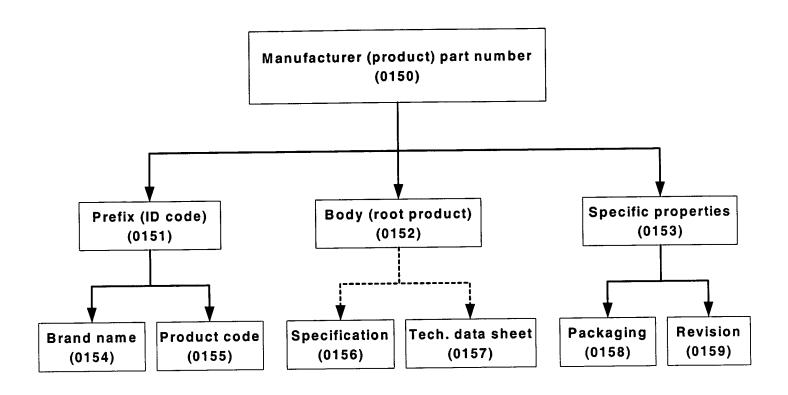


Fig 015: Breakdown of part number - industry standard

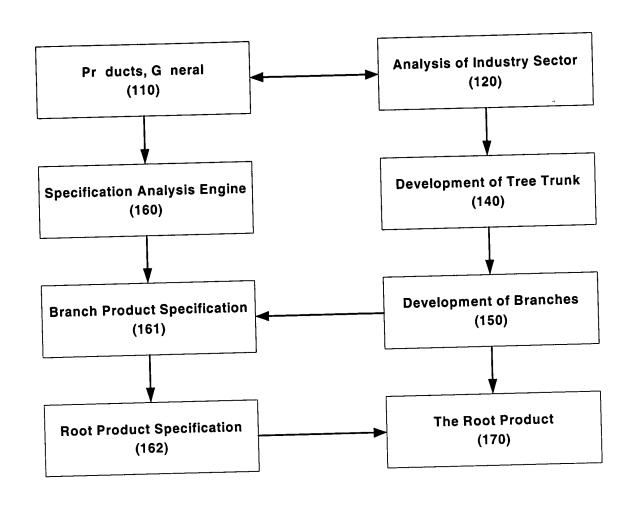


Fig 3: Root Extraction Process 300

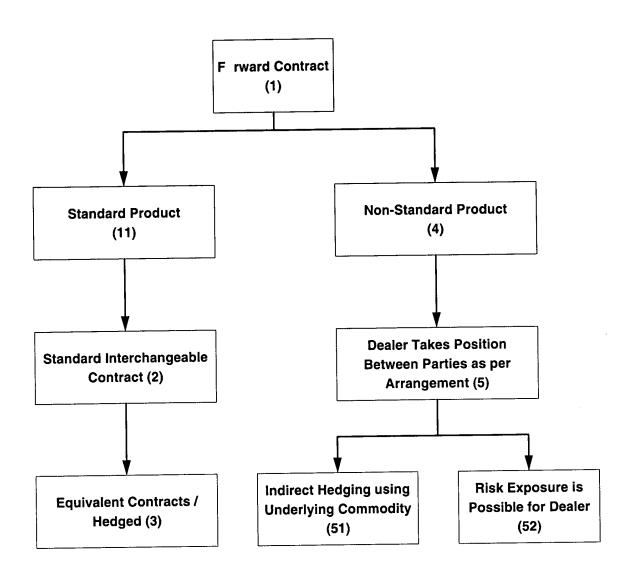


Fig 4: Existing Forwards Platform 100

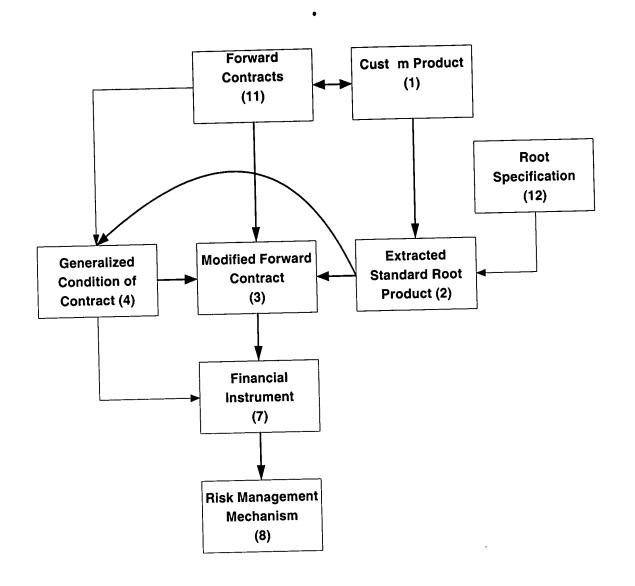


Fig 5: New Platform 200

Flexible Semi Standard Contract

Product as defined Delivery	a) Name (any) b) Description (any) c) Unit (no, pounds, ton, gallon, ounce) d) lot size(10,100,200, 500,
Trading time & session: as defined by trading platform Price movement as defined by trading platform and regulatory agencies	 a) hours (8am-2pm EST), (9am-3pm PST), (11am-5pm GMT), (9am-3pm pacific) b) week begins (Sunday, Monday) c) week ends (Friday) a) minimum fluctuation (1/100. 1/20, 1/10 of currency) b) daily limit (percentage of nominal contract value;5%, 6%,7%,8%,9%,10%), c) currency (usd, usd & euro, usd & JPY, usd & local currency)
clearing	Integrated exchange or third party
settlement	a) cash b) physical

As product is specified, the system will update or adjust the contract property for lot size, product specification and tick value. It also adjusts the daily limit and performance bond required for the contract. The system also adjusts hours of trading and the currency of trade based on selected marketplace

Fig 06

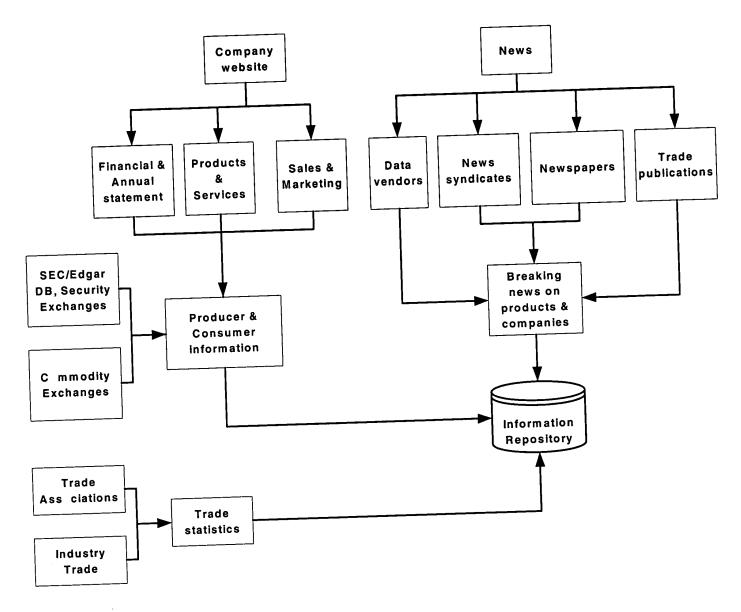
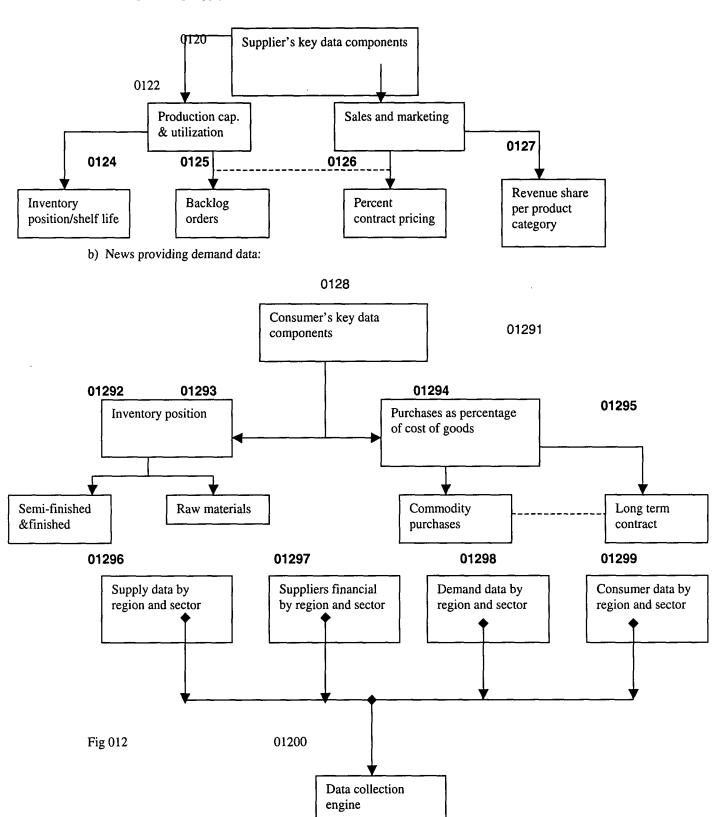


Fig 0112: Public Data Collection

a) News providing supply data:



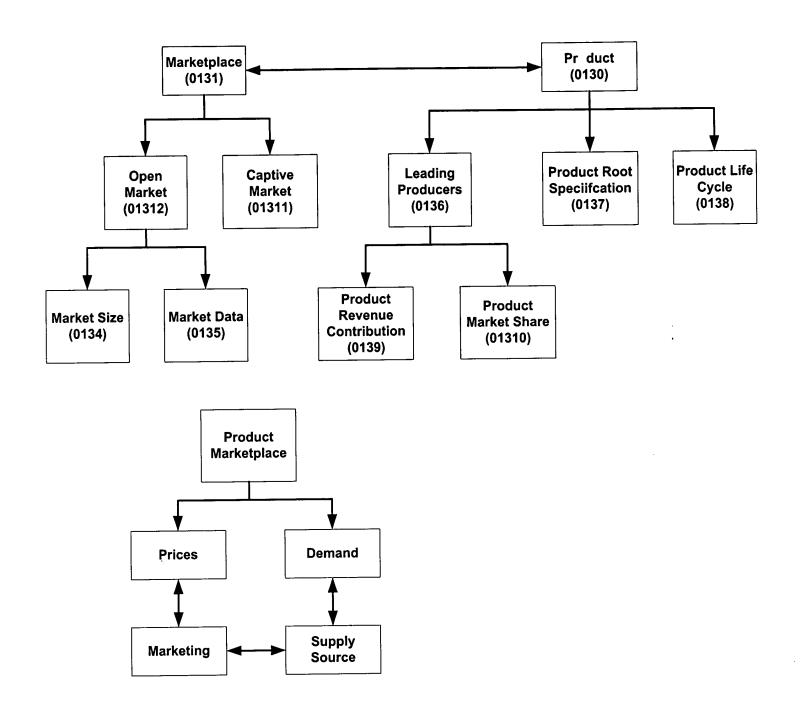


Fig 013: Product Intelligence

Information	Primary	Secondary	Fee-based
	source	source	services
Product line	Company's	Distributors	
	website	website	
Key	Company's	suppliers	Market
products	financial	websites	researchers
Product	Company's	Trade	Market
market share	report	associations	researchers
Product	Open market	Supplier	Daily survey
prices		website	

TABLE 11- Sources of Data

Industry sector	public companies	Market size in 1000	Sub- Sector targeted	Average growth rate	Average Volatility
Electronics	800	450,000,000	Semicon	15%	50%
Chemical	300	350,000,000	plastics	8%	10%
Electrical	56	320,000,000	wholesale	4%	15%

Table 12- Example of aggregate marketing data

company	Last quarter/ projected sales	Global market share	Comm 1	Comm 2	Contribution to sales/cost of goods	Currency translation \$1,000
Micron	700,000,000	18%, 2001	memories	-	80%	400,000
Dell	8.5 billion		memories	interconnect	35%	2,000,000

Table. 13- Example of producer and consumer of same product

1. FOR EACH SECTOR

Industry	Public	Market size	Average	Average
	companies		growth rate	volatility

2. FOR EACH PRODUCER/CONSUMER ENTITY

Entity	Last reported revenue	Last reported cost of sales	% commodity related market
			share

Entity	Commodity I,	Commodity 2,	Commodity 3,
	% of revenue	% of revenue	% of revenue

Entity	Currency 1, % of	Currency 2, % of	Currency 3, % of
	transaction	transaction	transaction

3. FOR EACH PRODUCT

Product	Product	Spot closing	Spot closing	Spot closing
description	symbol	in USD	in Jyen	in Euro

Product	Product symbol	30 day forward	90 day forward
description	-	closing price	closing price

Product	Product symbol	Total available	Relative market
description		market	strength

Tables 14- The Database